

Fig. 1 (PRIOR ART)

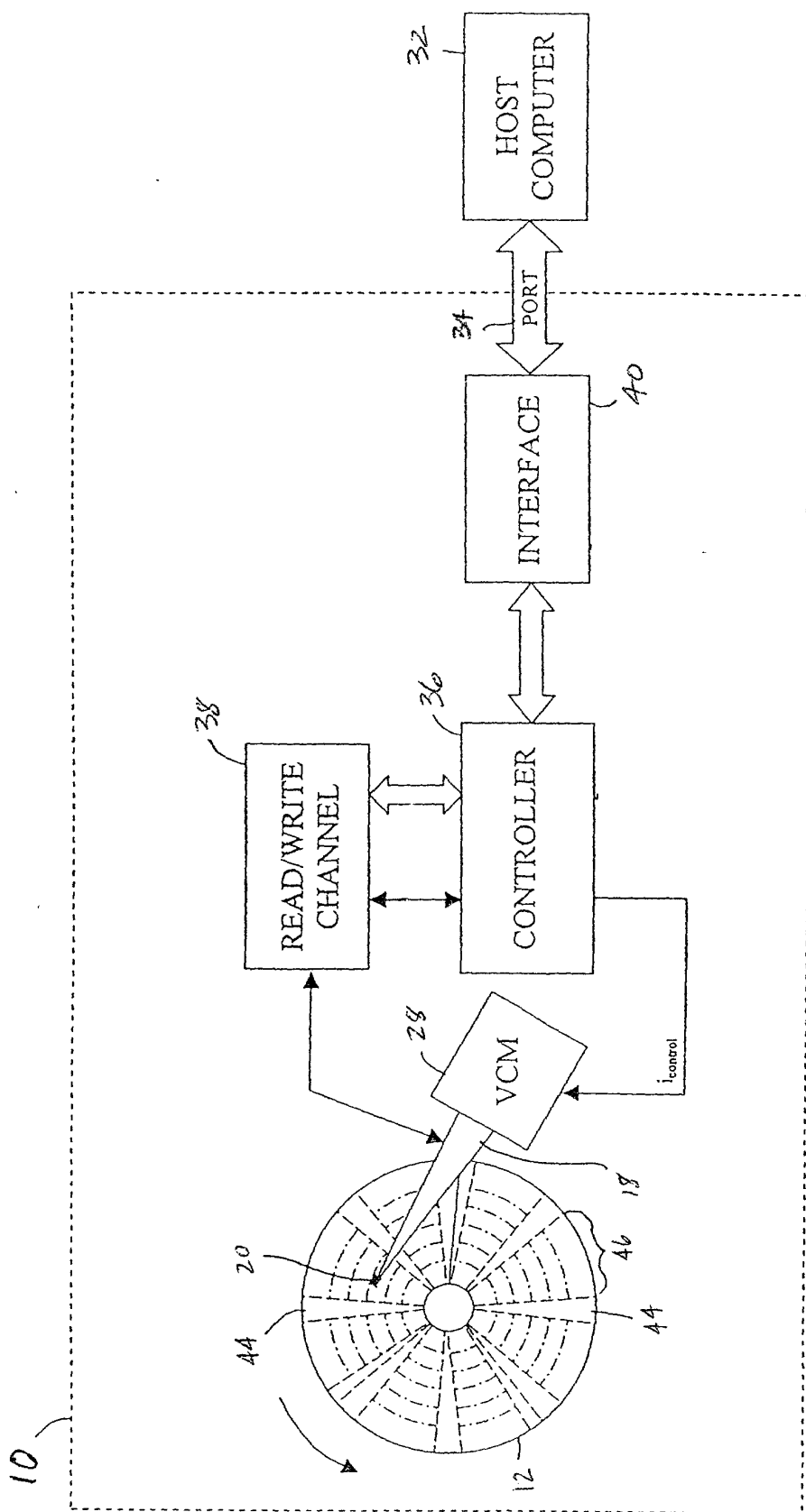


FIGURE 2
(PRIOR ART)

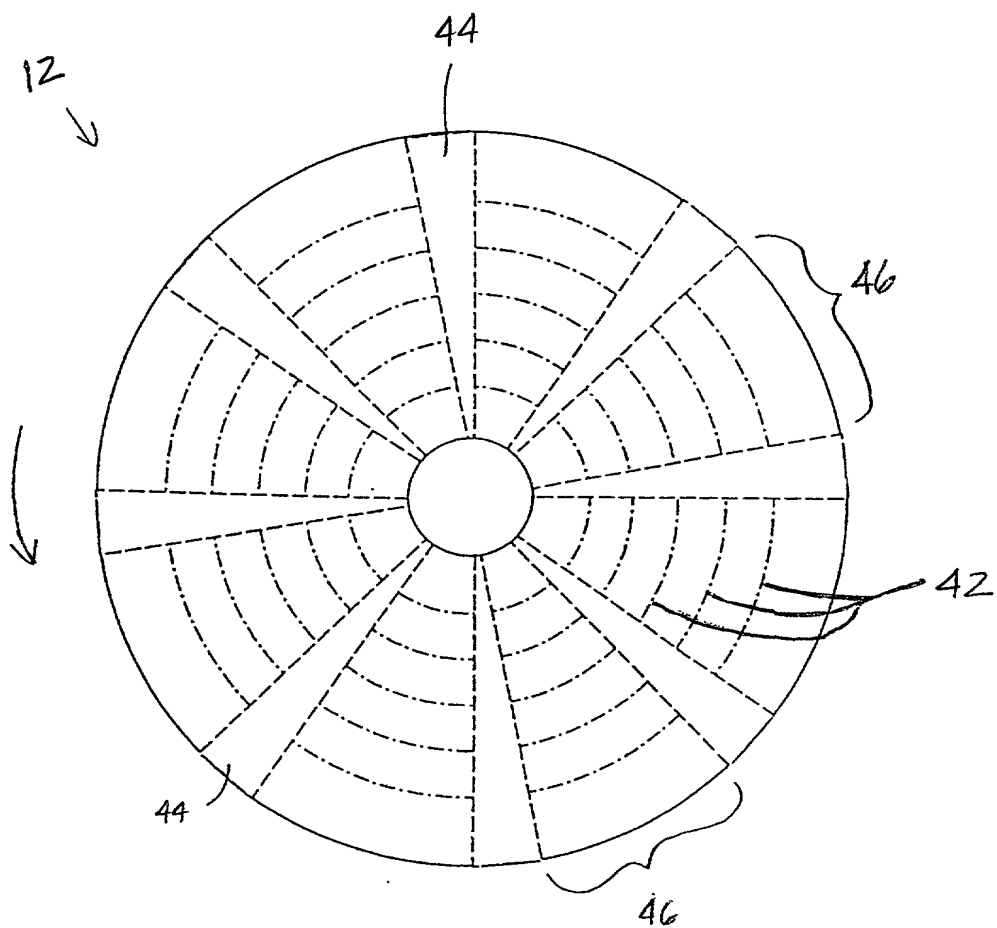


FIGURE 3

(PRIOR ART)

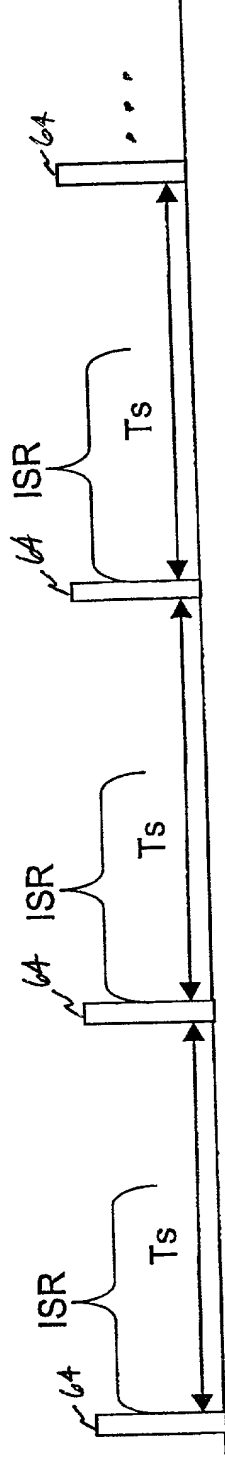


FIGURE 5
(PRIOR ART)

FIG. 6 (PRIOR ART)

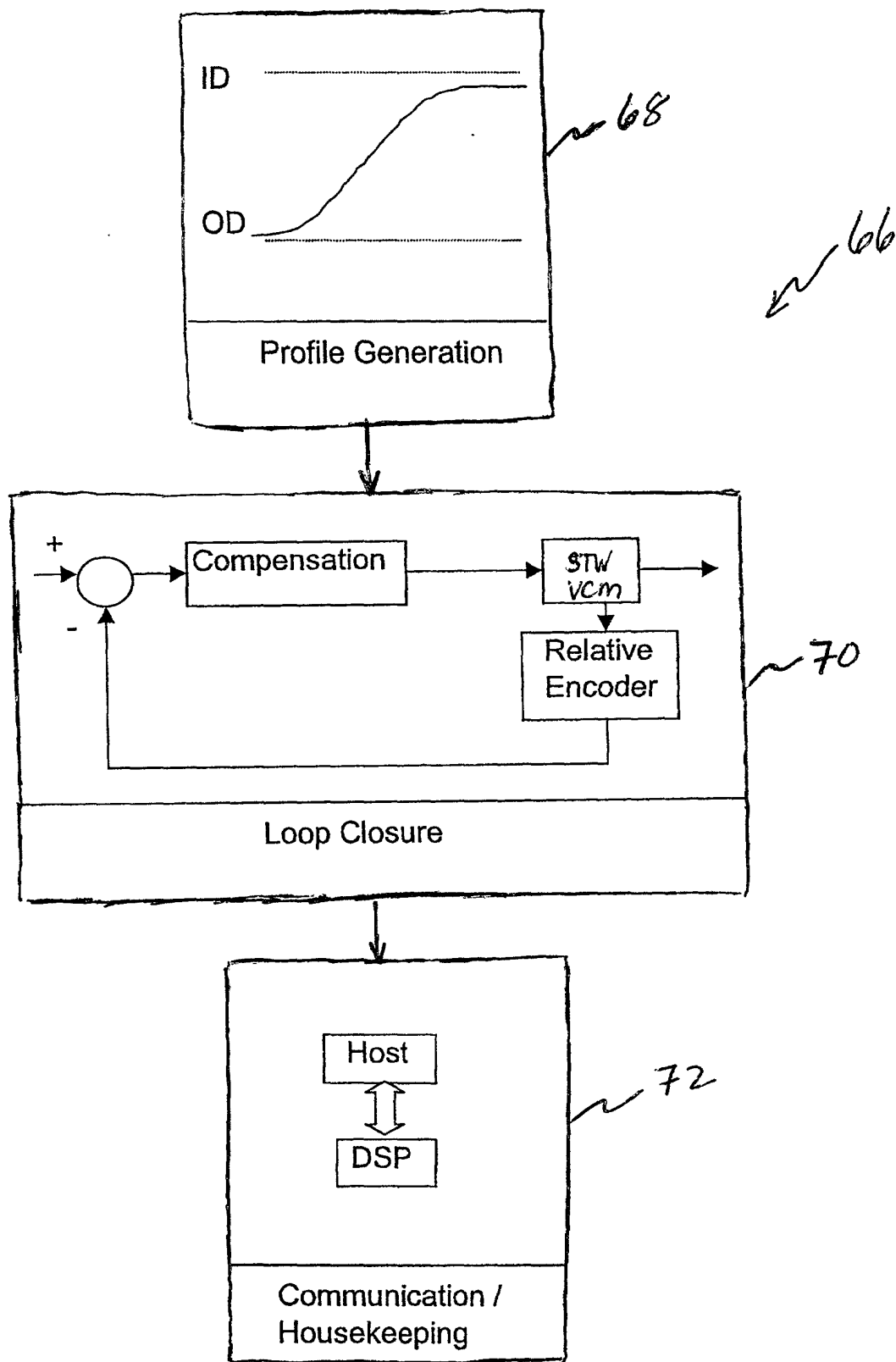


FIGURE 6 (PRIOR ART)

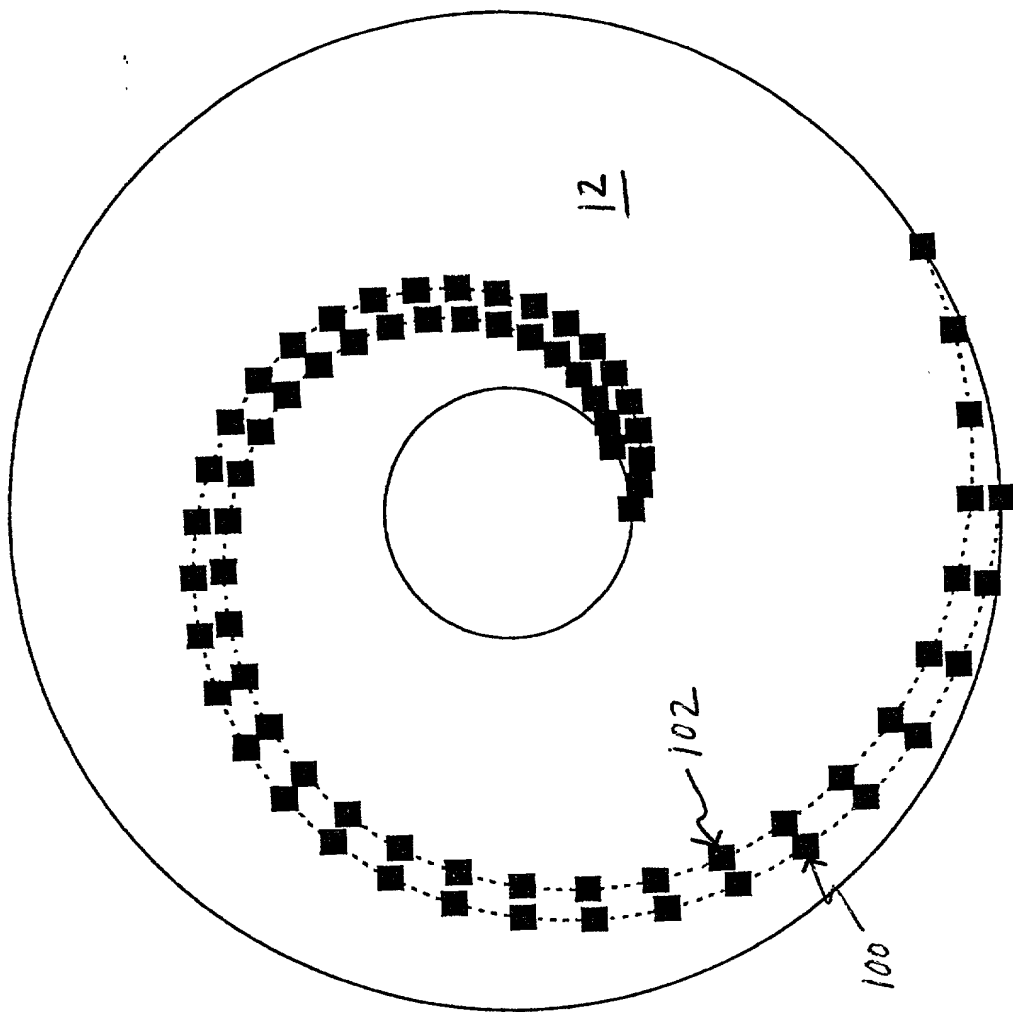


FIGURE 7

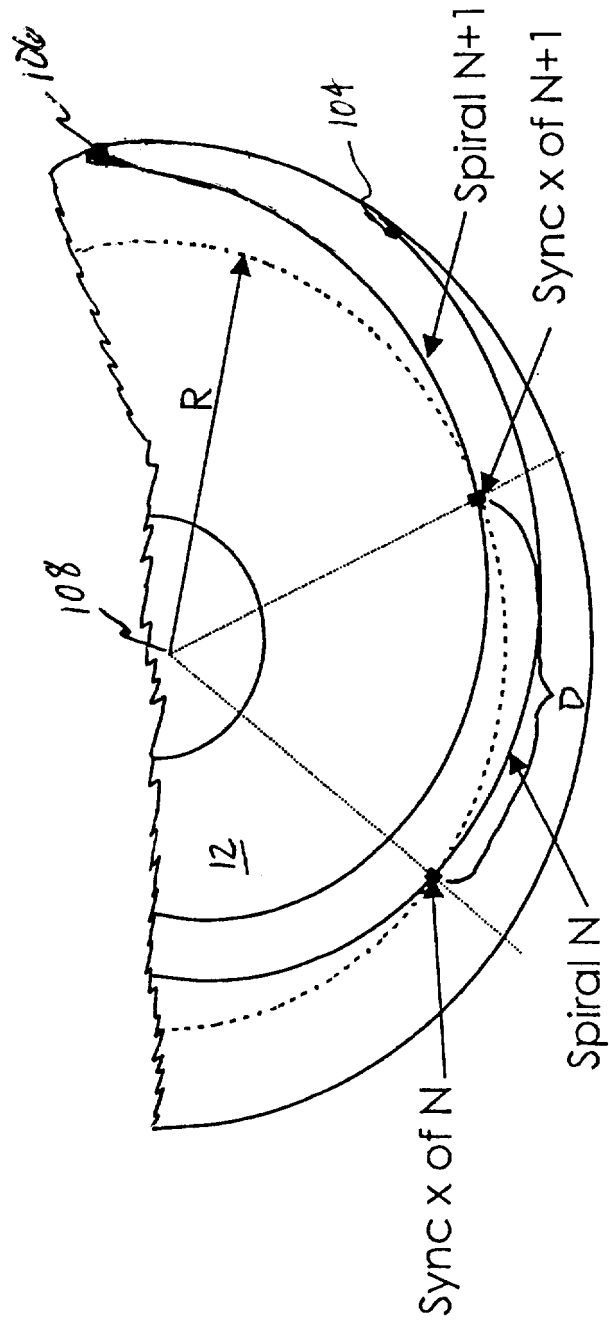


FIGURE 8

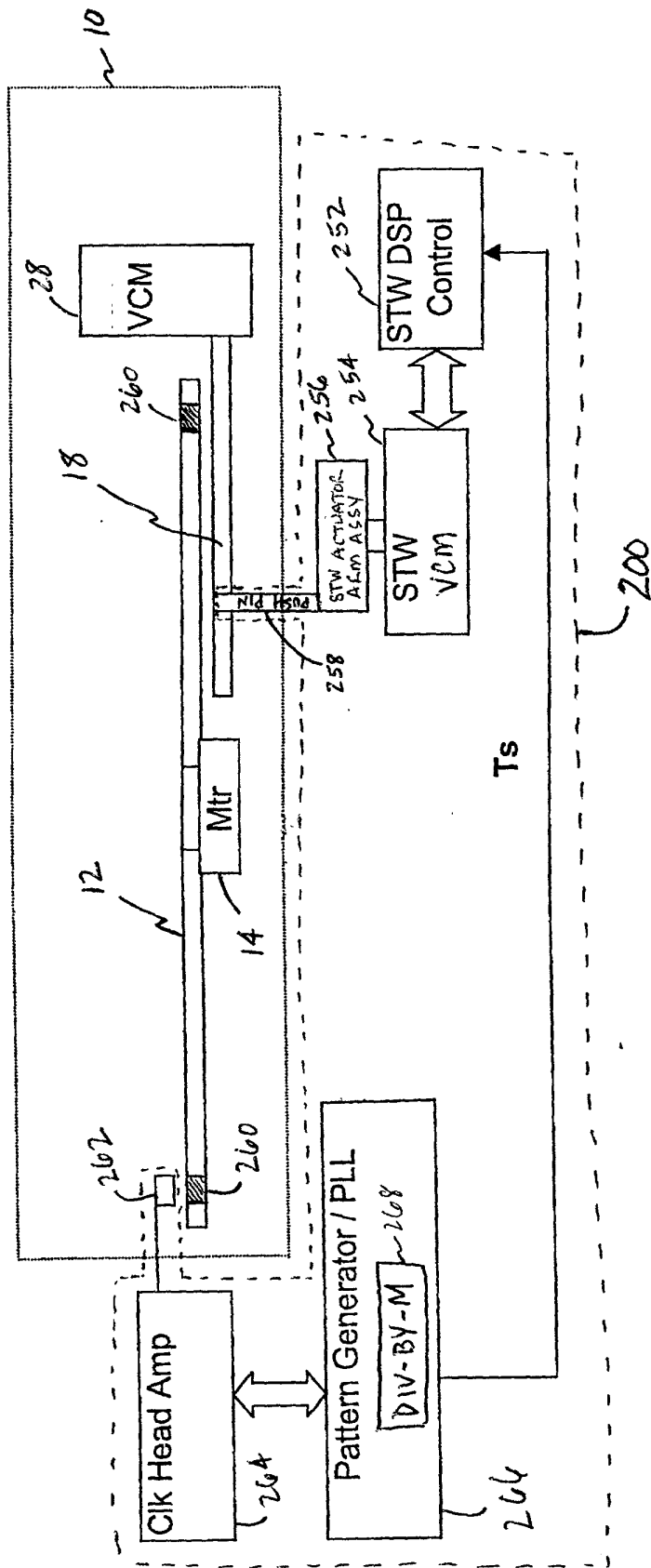


FIGURE 9

$$\left[\frac{X \text{ rev}}{\text{min}} \right] \left[\frac{\text{min}}{60 \text{ sec}} \right] \left[\frac{Y \text{ sec}}{\text{int}} \right] = \left[\frac{\text{Rev}}{Z \text{ int}} \right] \quad [Equation 1]$$

Example 1: For $Z = \frac{160 \text{ int}}{\text{Rev}}$

$$Y = \frac{68 \text{ u sec}}{\text{int}}$$

$$\Rightarrow X = \frac{60 \text{ sec}}{\text{min}} \frac{\text{int}}{68 \text{ u sec}} \frac{\text{Rev}}{160 \text{ int}} = 5514.705 \text{ RPM}$$

Example 2: For $X = 5700 \text{ RPM}$

$$Z = \frac{160 \text{ int}}{\text{Rev}}$$

$$\Rightarrow Y = \frac{60 \text{ sec}}{\text{min}} \frac{\text{min}}{5700 \text{ Rev}} \frac{\text{Rev}}{160 \text{ int}} = \frac{65.789 \text{ u sec}}{\text{int}}$$

FIGURE 10

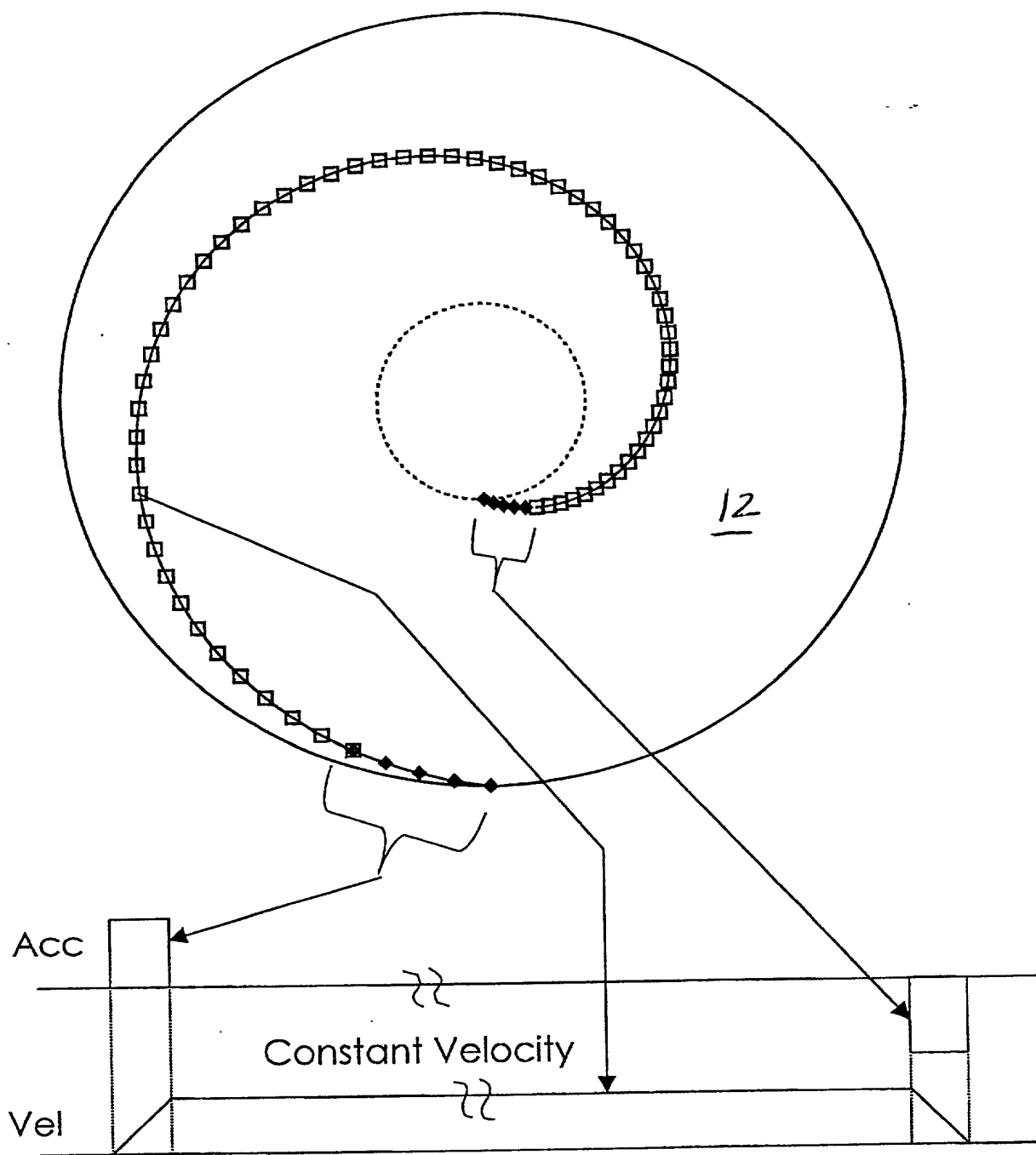


FIGURE 11

105030" 0456660

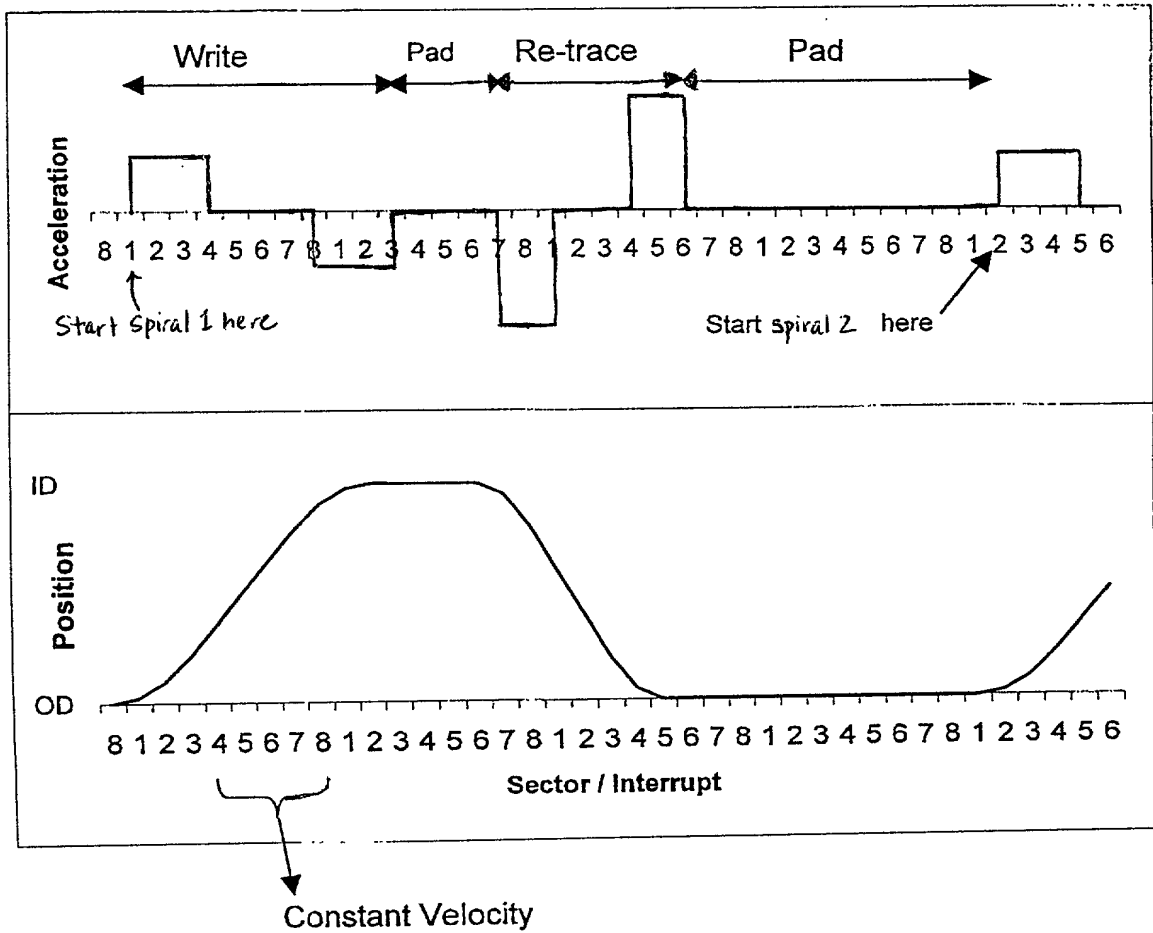


FIGURE 12

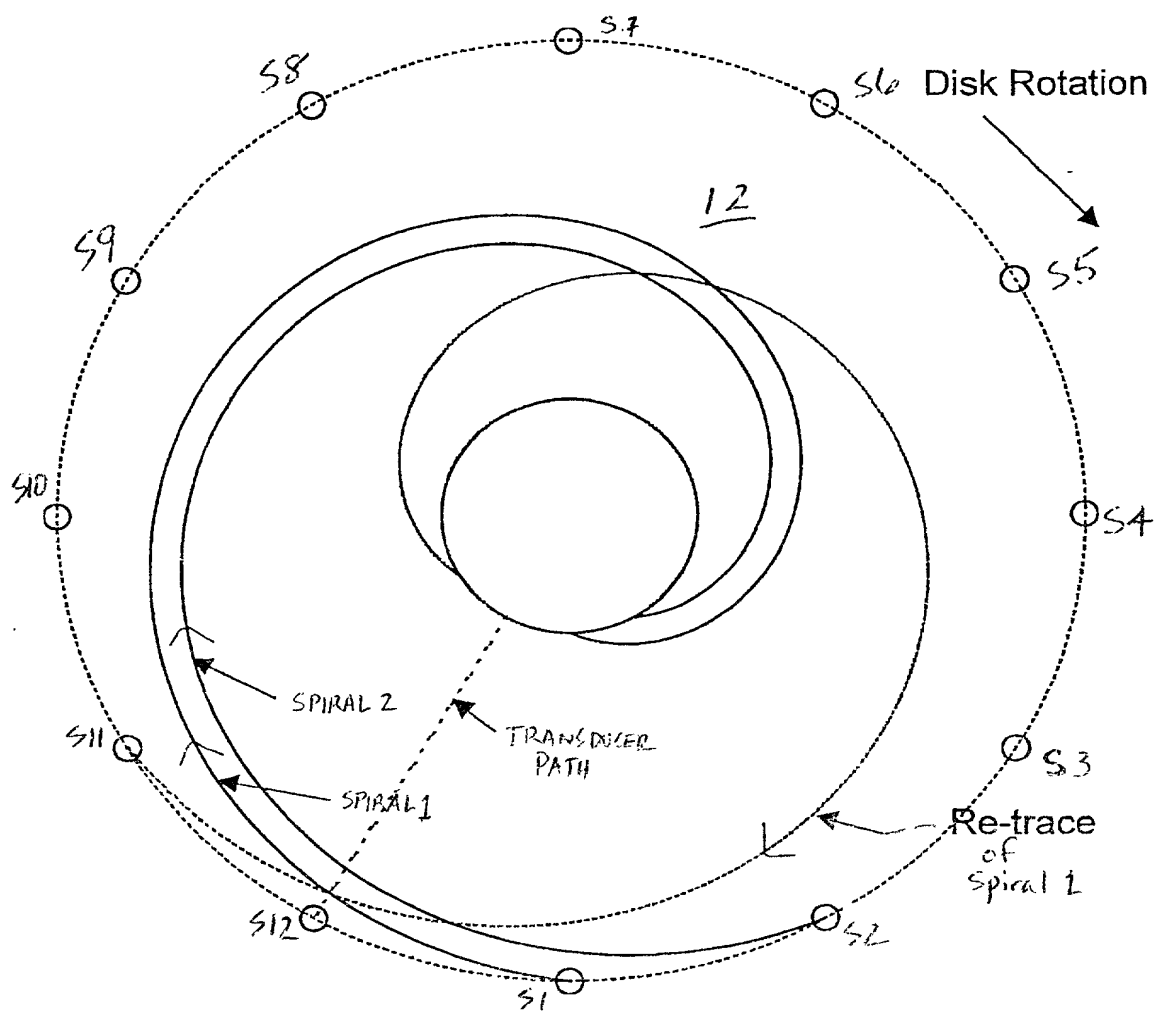


FIGURE 13

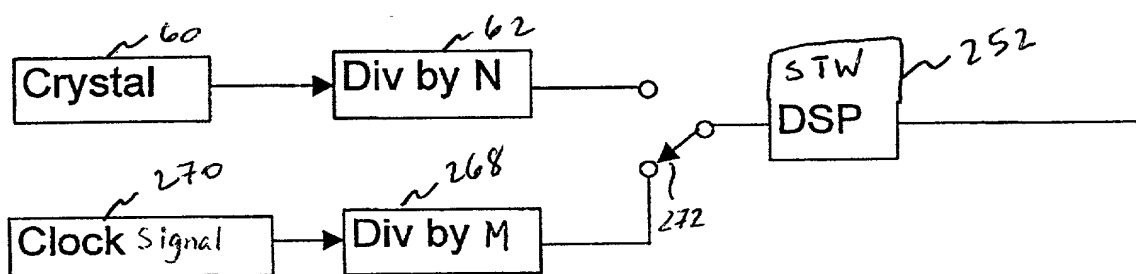


FIGURE 14